

Fig. 1

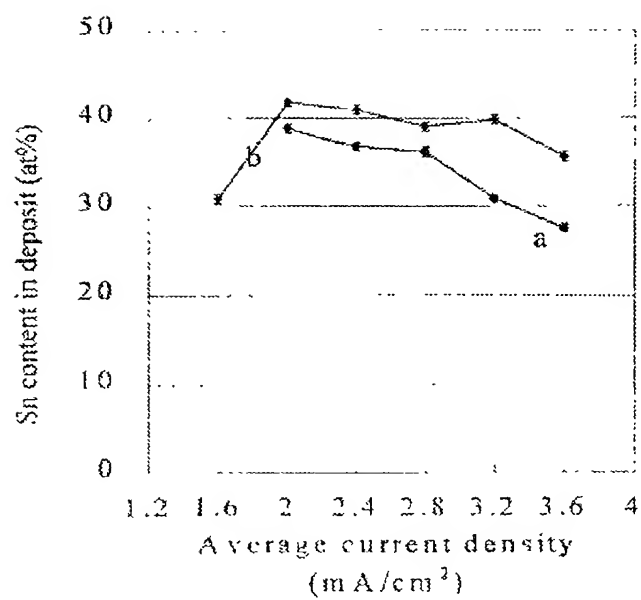


Fig. 2

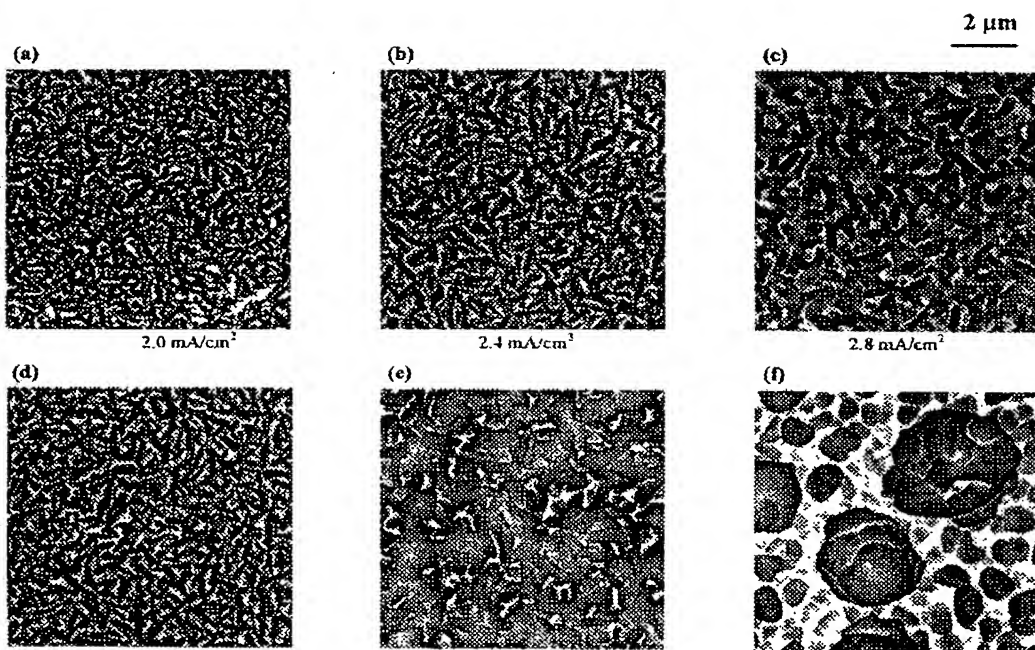
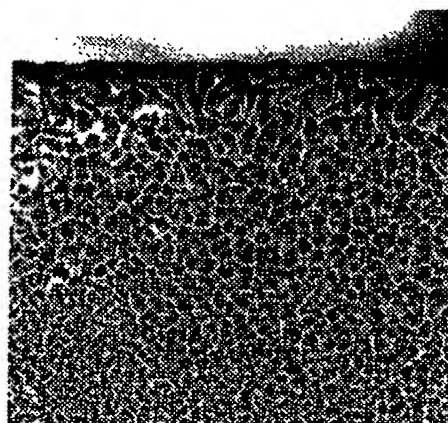


Fig. 3



2.0 mA/cm<sup>2</sup>



2.8 mA/cm<sup>2</sup>



3.2 mA/cm<sup>2</sup>

4 μm

Fig. 4

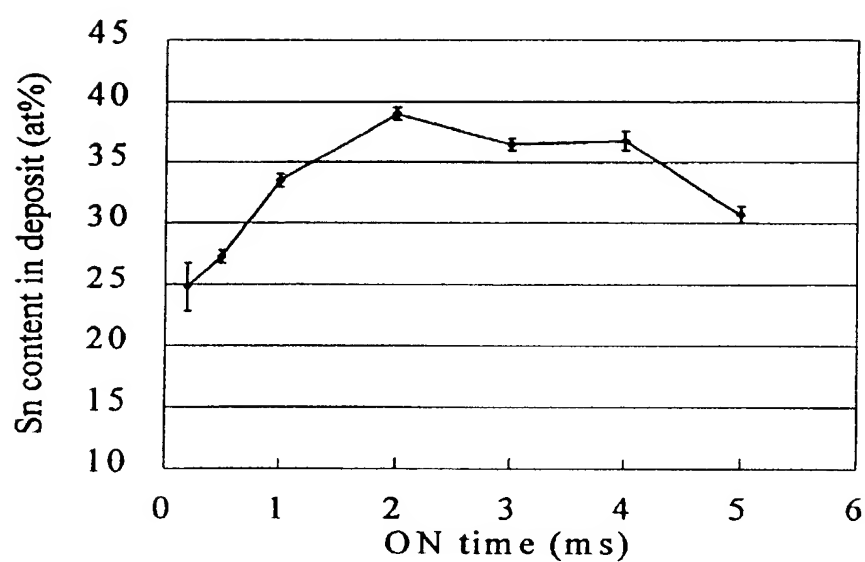


Fig. 5

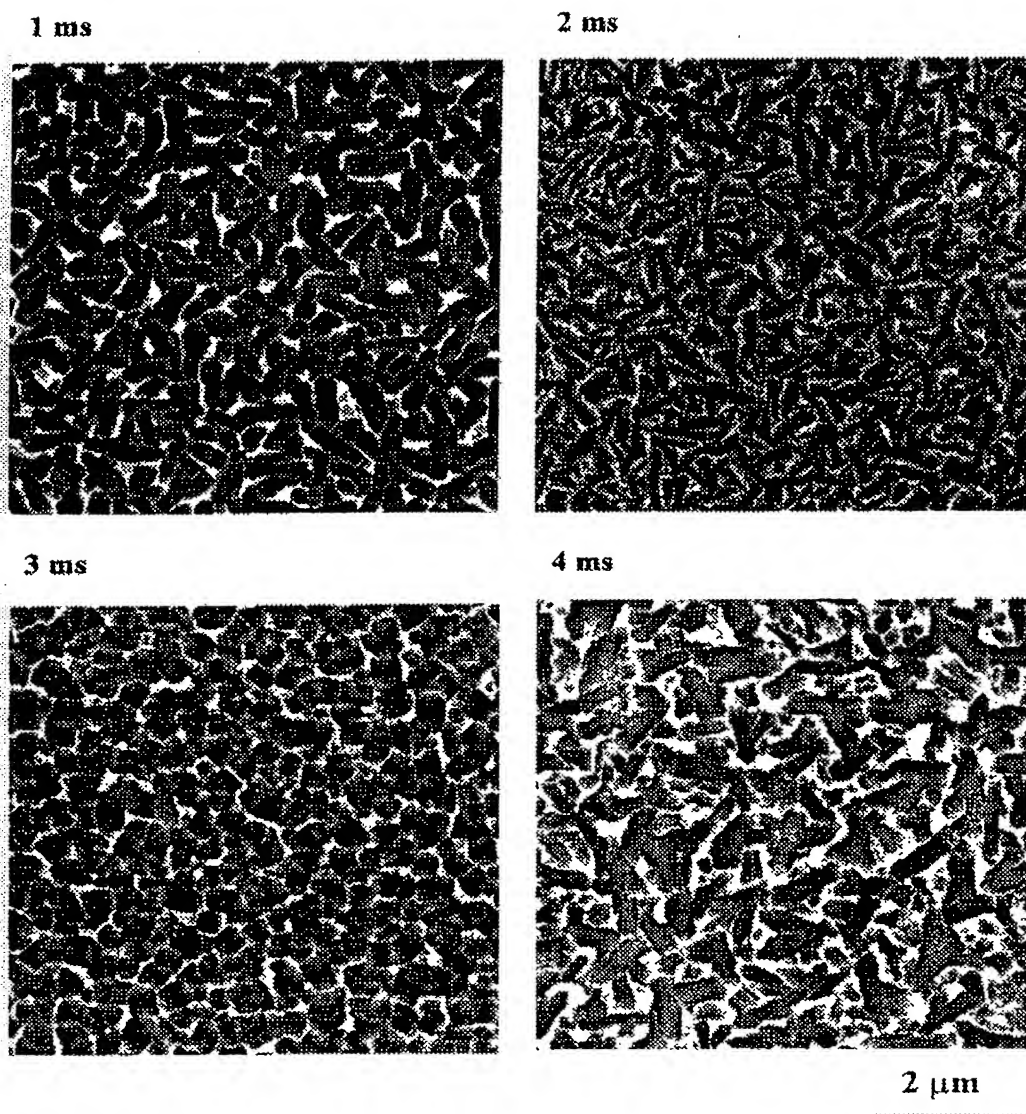


Fig. 6

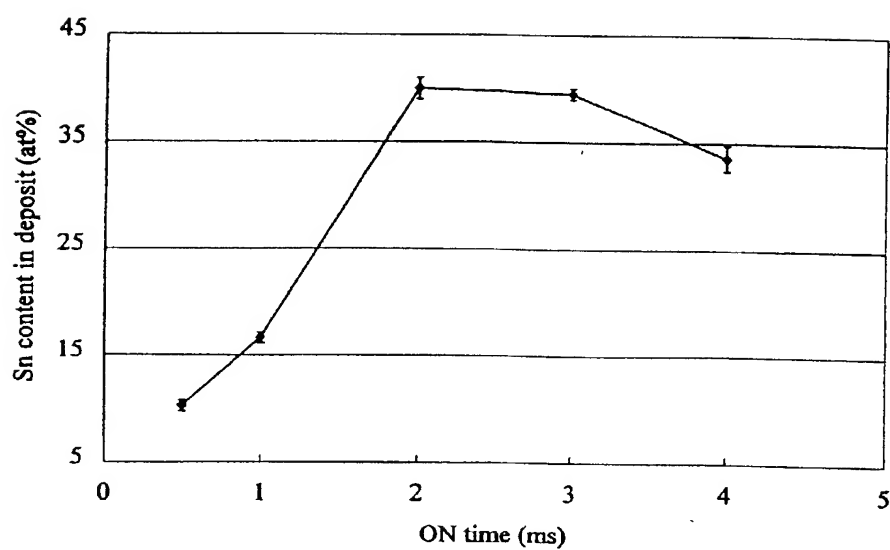
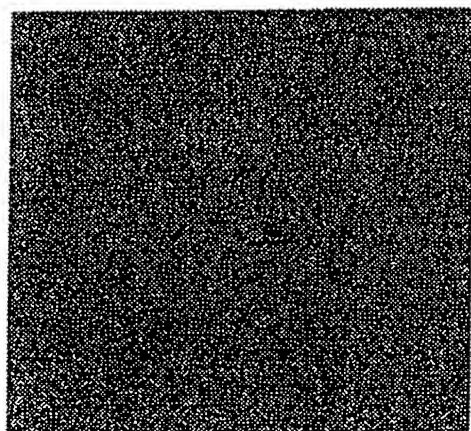
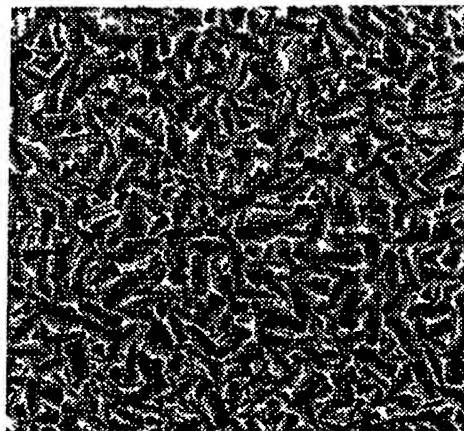


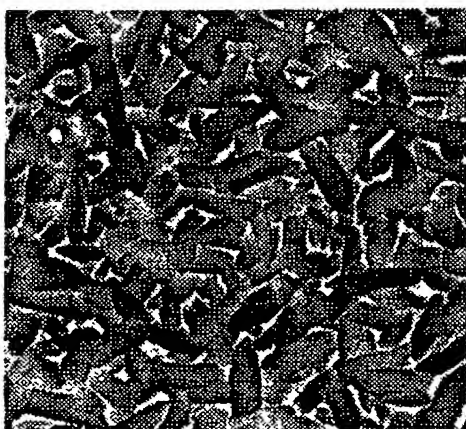
Fig. 7



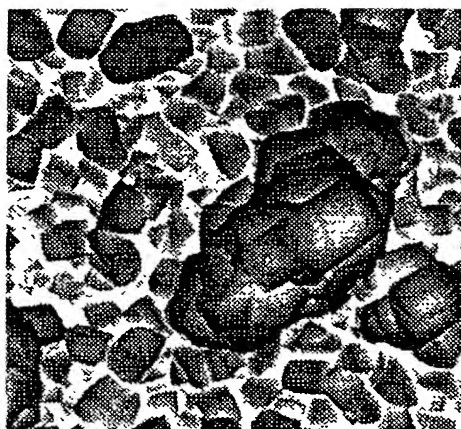
1 ms



2 ms



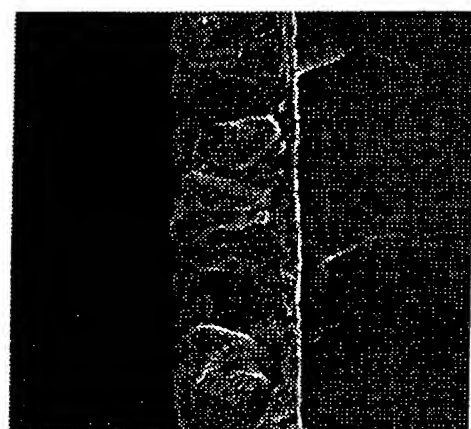
3 ms



4 ms

2  $\mu$ m

Fig. 8



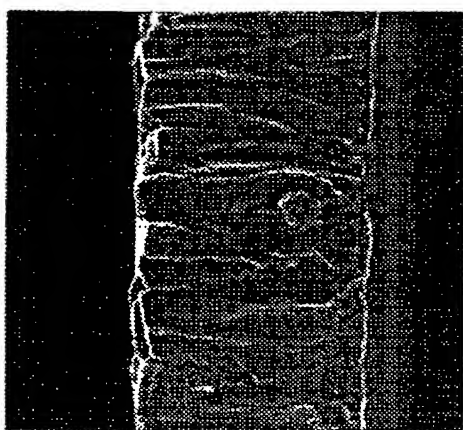
1 ms

1  $\mu$ m



2 ms

1  $\mu$ m



3 ms

1  $\mu$ m



4 ms

4  $\mu$ m

Fig. 9



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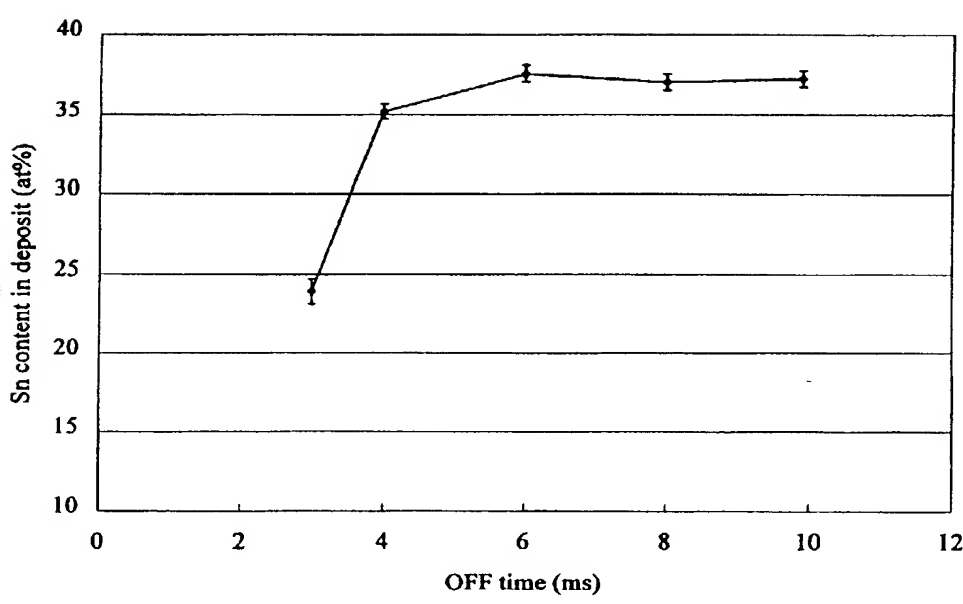


Fig. 10

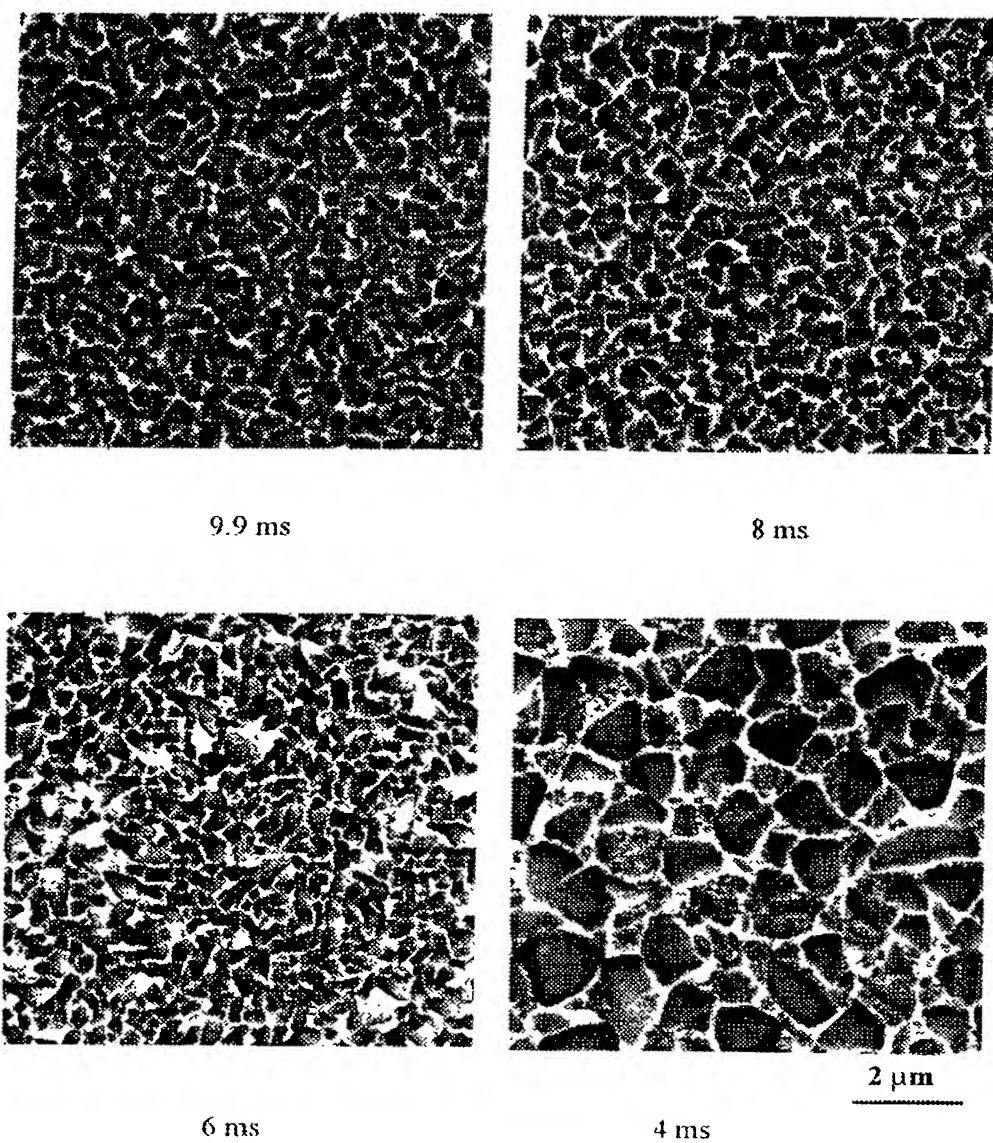


Fig. 11

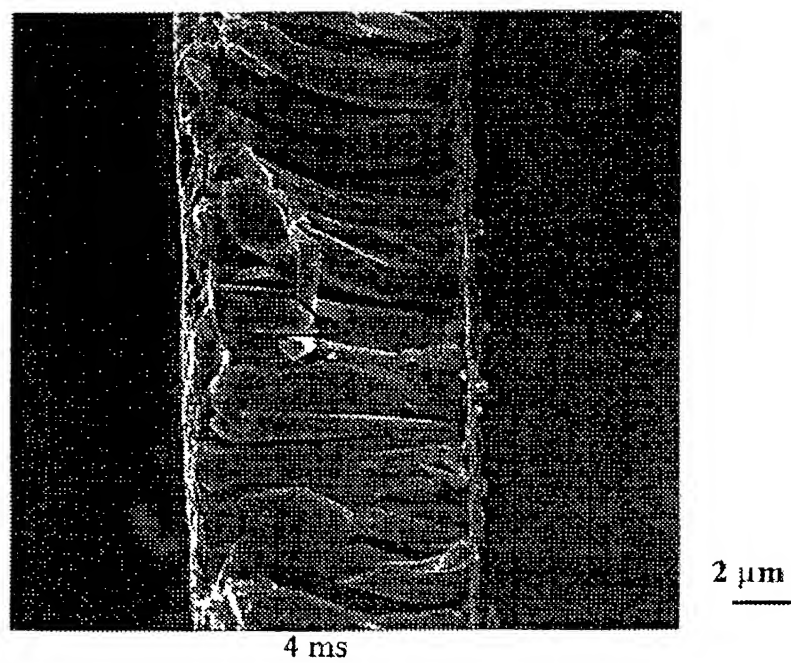
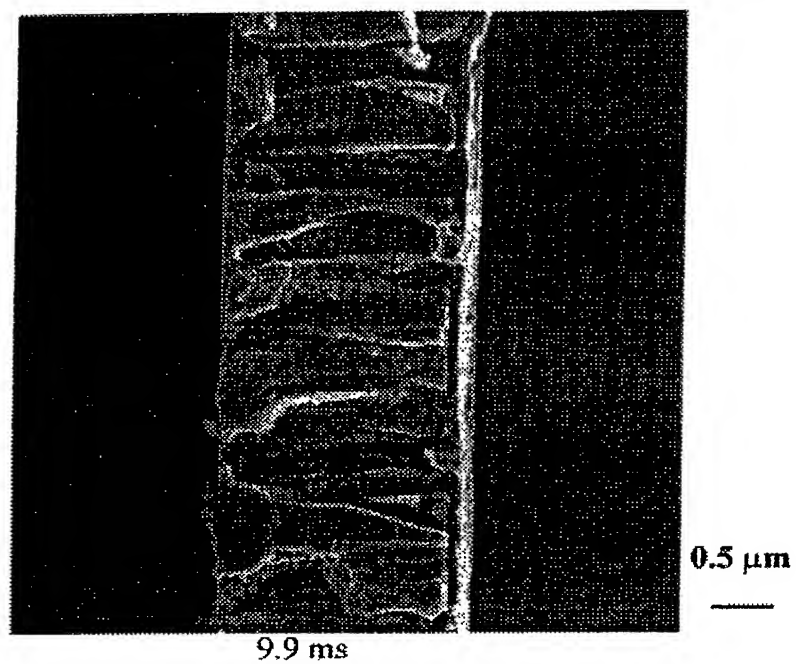


Fig. 12

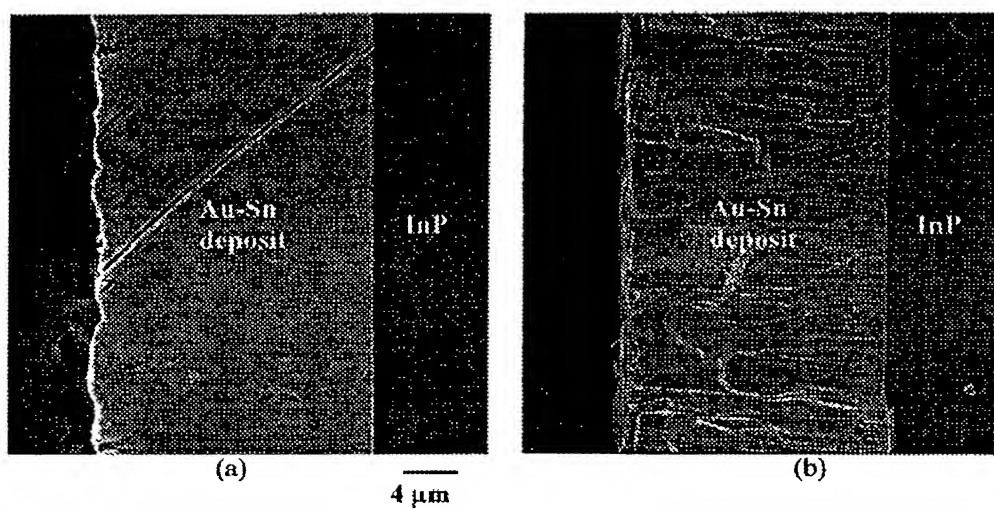


Fig. 13

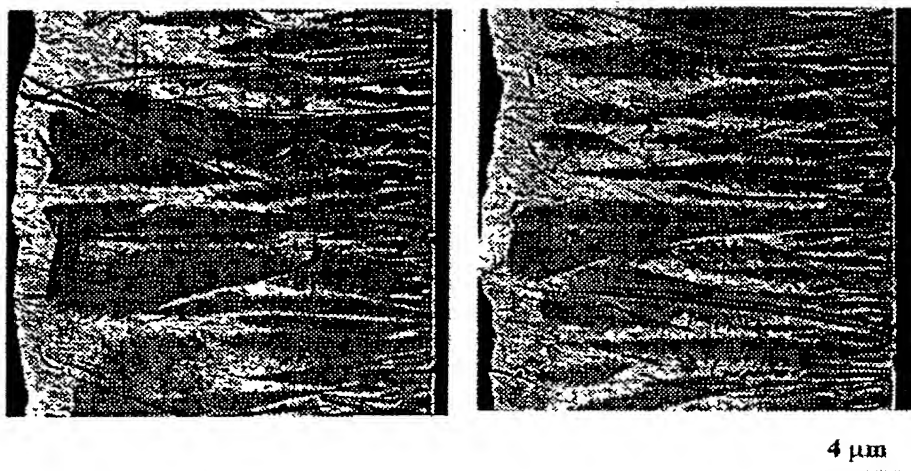


Fig. 14



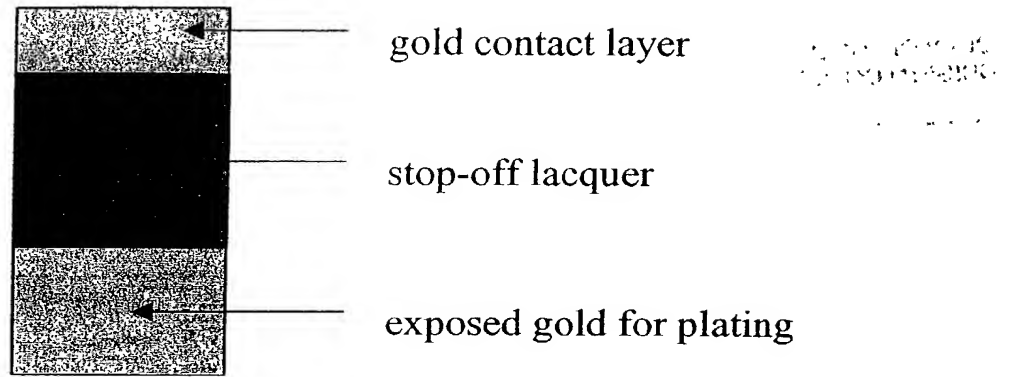


Fig. 16

Figure 1 is a scatter plot showing the relationship between Composition (at%Sn) on the Y-axis and Current Density (mA/cm²) on the X-axis. The Y-axis ranges from 0 to 60, and the X-axis ranges from 0.0 to 3.5. The data points are represented by black diamonds. The plot shows two distinct regions of data points. The lower region, between 0.3 and 1.7 mA/cm², shows compositions between 10 and 22 at%Sn. The upper region, between 1.2 and 3.0 mA/cm², shows compositions between 30 and 60 at%Sn. There is a general upward trend in composition with increasing current density, particularly in the higher composition range.

Fig. 17



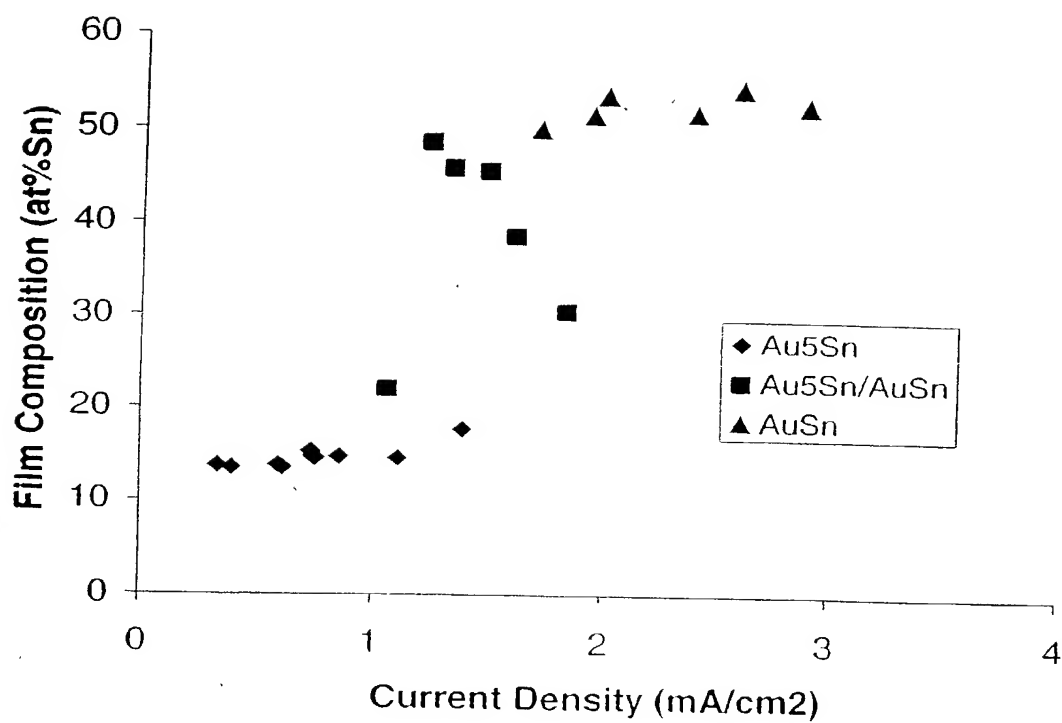
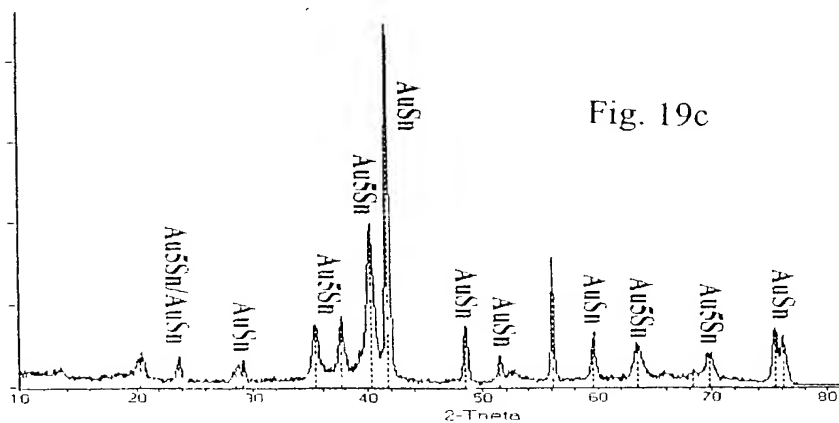
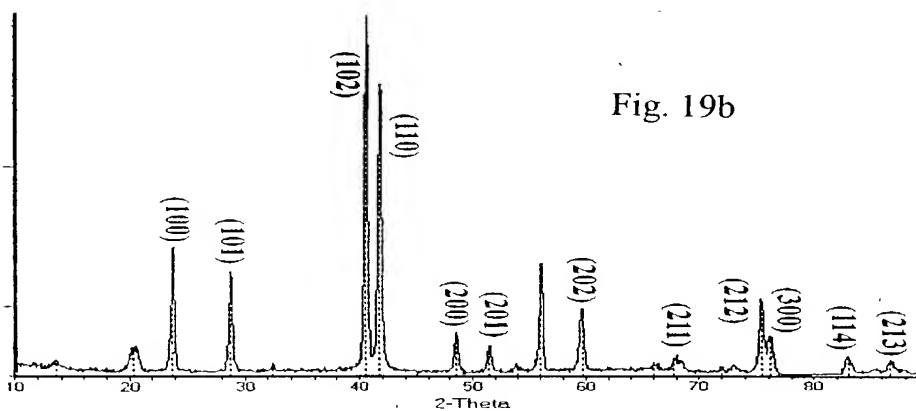
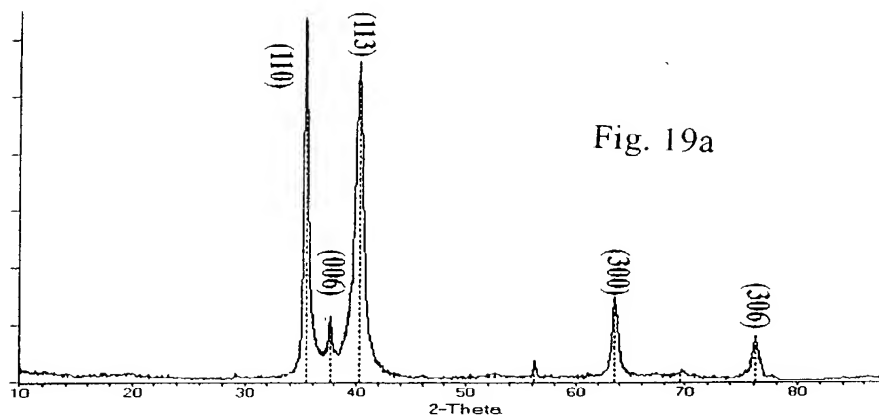


Fig. 18



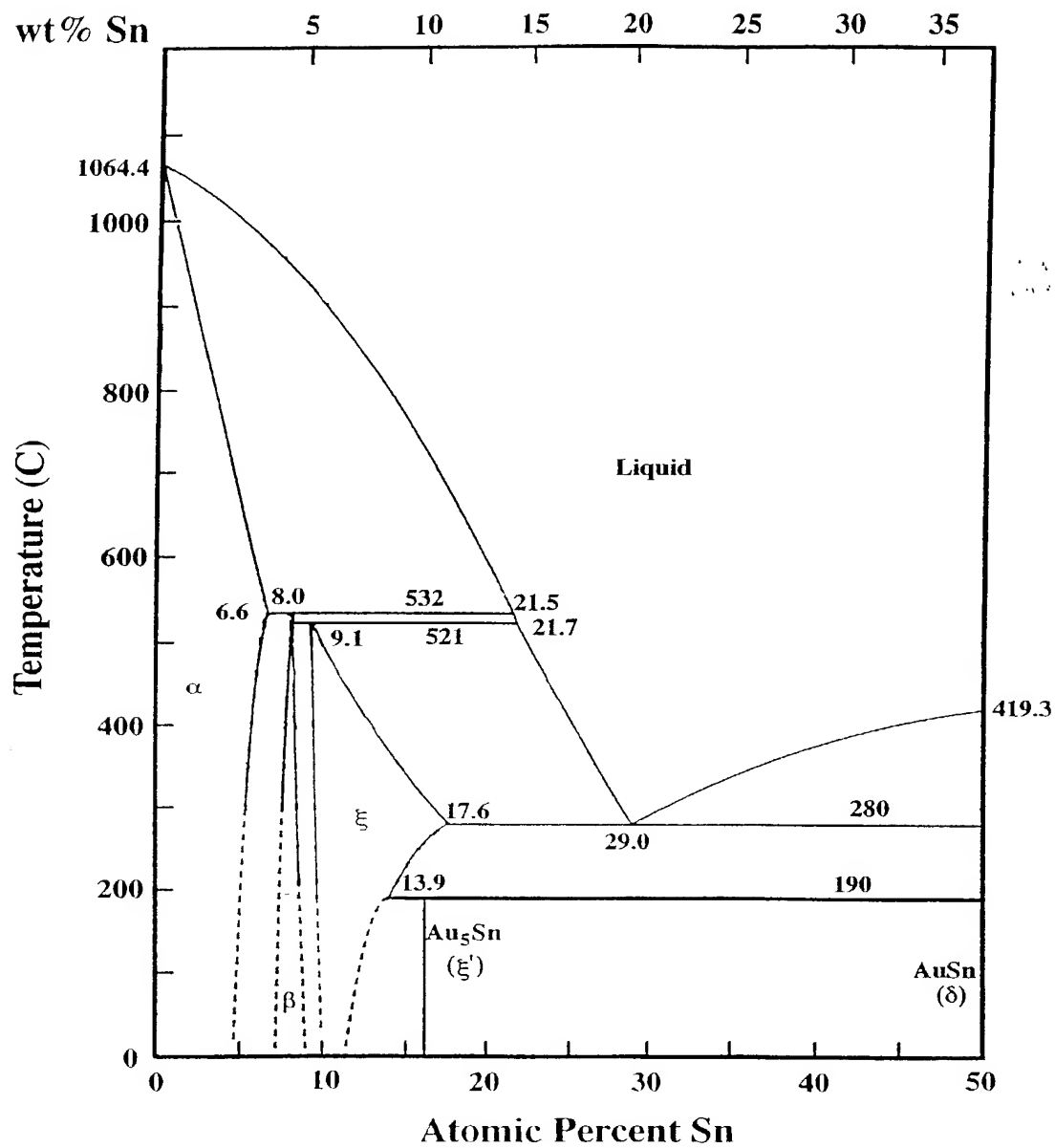


Fig. 20

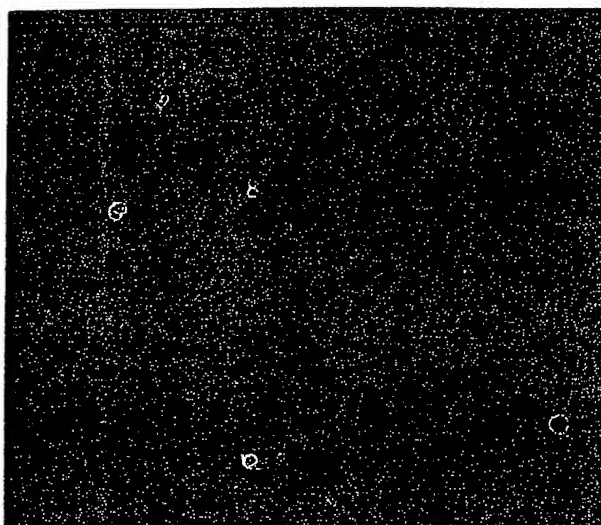


Fig. 21a

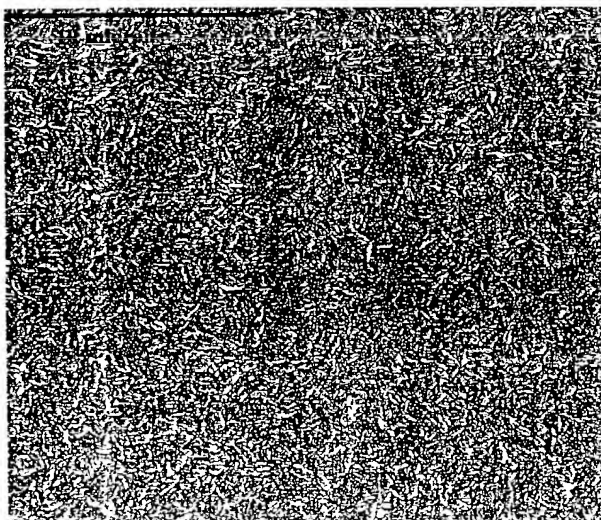


Fig. 21b

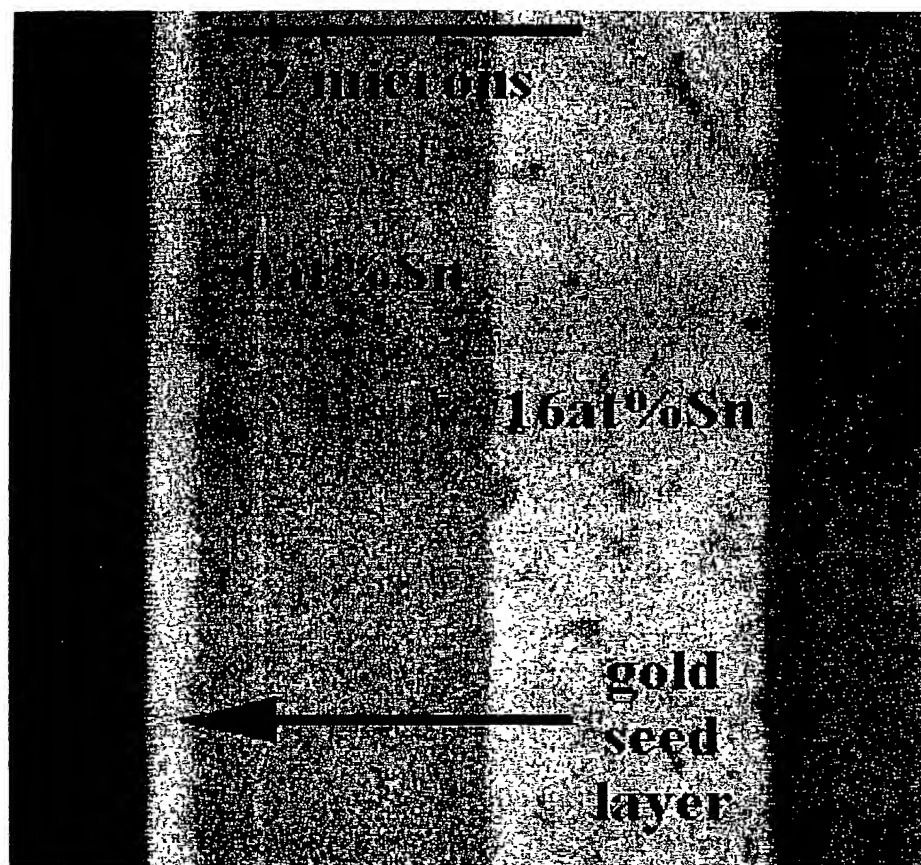


Fig. 22

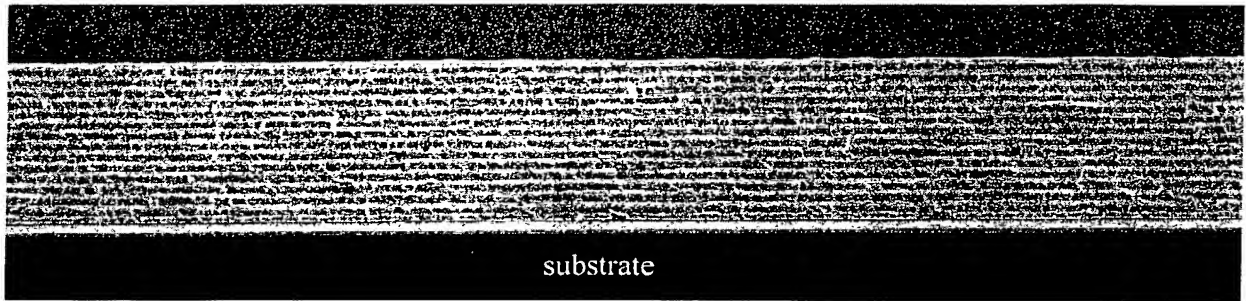


Figure 23a

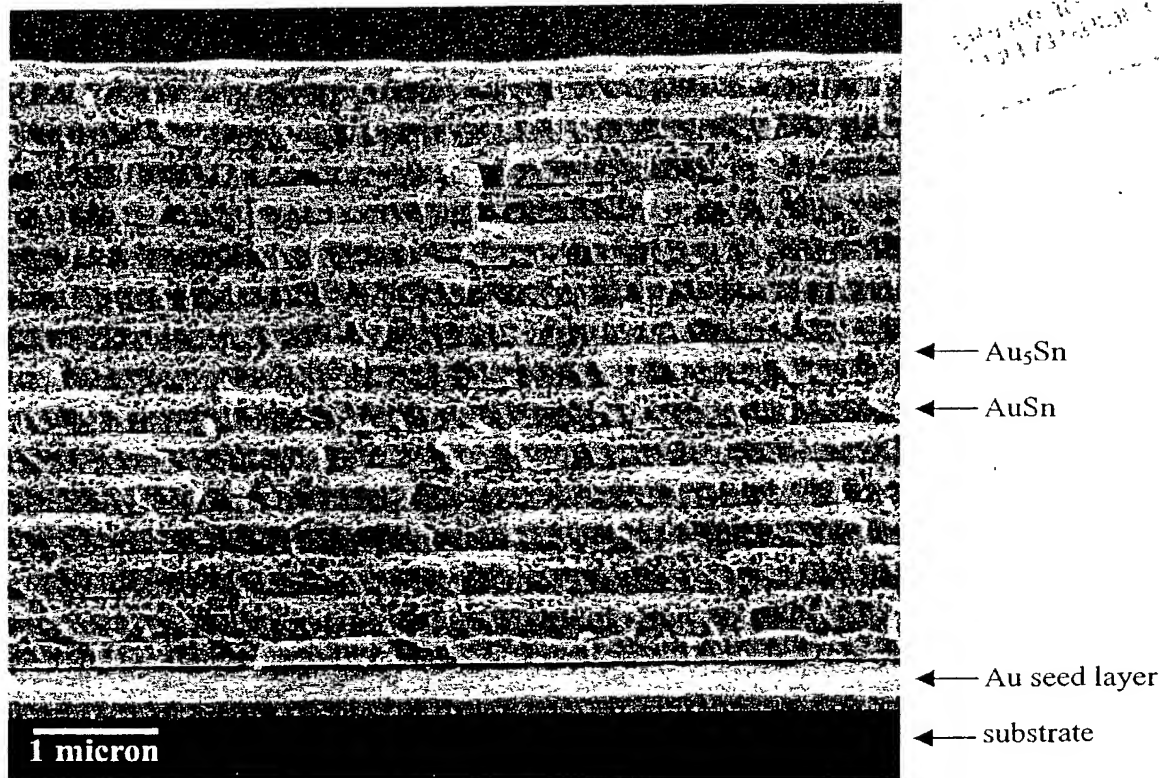


Figure 23b